

CLAIMS

- 1 1. A mobile receiving device, comprising:
2 at least two television channel selection devices for converting high-frequency signals into
3 intermediate frequency signals;
4 at least two video demodulation devices to convert said intermediate frequency signals into
5 video signals;
6 at least two audio demodulation devices to convert said intermediate frequency signals into
7 audio signals; and
8 an intermediate frequency switching device that connects said audio and video demodulation
9 devices to said television channel selection devices.
- 1 2. The receiving device of claim 1, comprising:
2 at least two receiving antennas that provide said high-frequency signals; and
3 a high-frequency switching device to switch said receiving antennas to said television
4 channel selection devices.
- 1 3. The receiving device of claim 2, comprising a video correlation device that receives said
2 video signals and provides a correlated video output signal.
- 1 4. The receiving device of claim 3, comprising an audio correlation device that receives said
2 audio signals and provides a correlated audio output signal.
- 1 5. The receiving device of claim 4, comprising a label correlation device that receives said
2 video signals and provides a label correlated output signal.

1 6. The receiving device of claim 5, wherein at one of said audio demodulation devices
2 comprises a phase control circuit (28) and at least one filter (21) concurrent with said phase control
3 circuit, for selection and mirror frequency suppression.

1 7. The receiving device of claim 6, wherein said at least one audio demodulation device
2 comprises a field strength detector that provides field strength signal.

1 8. The receiving device of claim 7, wherein said at least one audio demodulation device
2 comprises a quality detector that provides a quality signal.

1 9. The receiving device of claim 8, comprising an evaluation device that receives said correlated
2 audio output signal, said correlated video output signal, said label correlated output signal, and said
3 audio signals and provides first switching control signals to said high-frequency switching devices
4 and second switching control signals to said low-frequency switching device.

1 10. The receiving device of claim 9, wherein said evaluation device controls said high-frequency
2 switching device and said low-frequency switching device in accordance with a selectable operating
3 mode selected by a mode command signal.

1 11. The receiving device of claim 8, comprising an evaluation device that receives said correlated
2 audio output signal, said correlated video output signal, said label correlated output signal, said field
3 strength signal, said quality signal, said audio signals and provides first switching control signals to
4 said high-frequency switching devices and second switching control signals to said low-frequency
5 switching device.

1 12. A television receiving device for use in a motor vehicle, said receiving device comprising:

at least two television channel selection devices for converting high-frequency signals into intermediate frequency signals;

at least two video demodulation devices to convert said intermediate frequency signals into video signals, wherein each of said demodulation device includes an associated field strength detector and provides a field strength signal indicative thereof;

at least two audio demodulation devices to convert said intermediate frequency signals into audio signals; and

a switching device that receives said intermediate frequency signals and routes each of said intermediate frequency signals to an associated one of said video demodulation devices and an associated one of said audio demodulation devices.